

FIG. 3

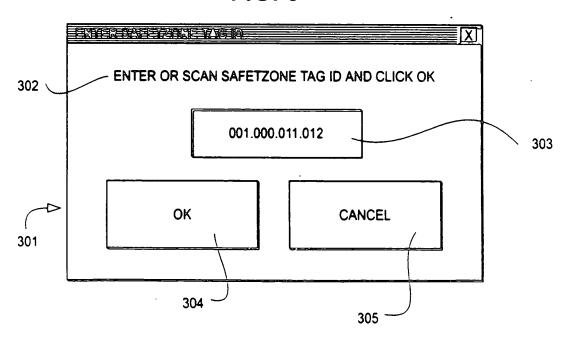
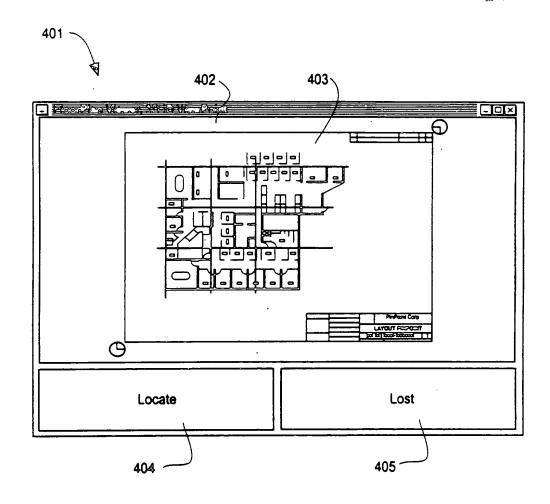




FIG. 4





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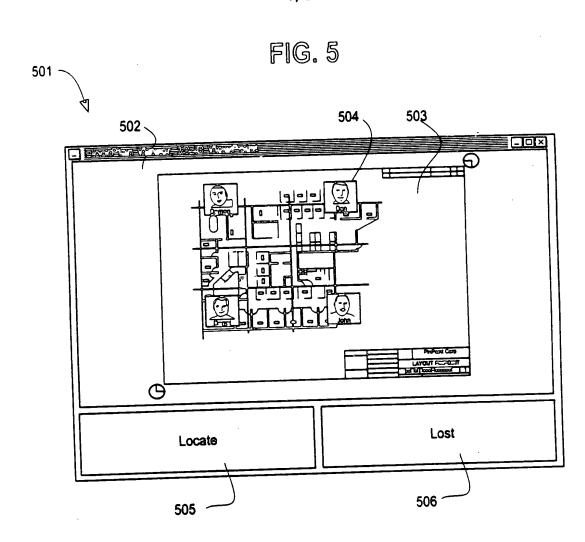
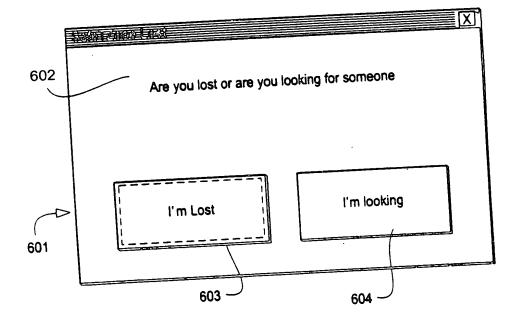


FIG. 6



701	INDIVIDUAL USER APPROACHES ID STATION SEEKING
	LOCATION INFORMATION ABOUT ANOTHER INDIVIDUAL
	OF THE GROUP.
702 r	
702	USER SELECTS "FIND" FROM THE DUAL OPTION DISPLAY
	("FIND" OR "LOST").
	P
703	ID STATION CPU PROMPTS USER WITH A DIALOG BOX
, , , ,	REQUESTING ENTRY OF THEIR TAG ID NO. USING A
	KEYBOARD OR BY USING A SCANNING DEVICE.
.	<u>V</u>
Г	ID and the CDI I are the TAC ID NO. TO THE HOST
704	ID STATION CPU SENDS THE TAG ID NO. TO THE HOST COMPUTER AND A MAP OF THE ENVIRONMENT IS
7	DISPLAYED AT THE ID STATION.
Į	
	₹P
705	HOST COMPUTER USES THE TAG ID NO. TO LOOK UP IN A
	DATABASE, THE TAG ID NOS. OF THE OTHER
Į	INDIVIDUALS OF THE GROUP.
	n
	₹
706	HOST COMPUTER SENDS THE TAG ID NOS. OF EACH
	INDIVIDUAL OF THE GROUP TO THE CELL CONTROLLERS.
707	CELL CONTROLLERS SEND A RADIO SIGNAL FROM AN
/0/	ANTENNA LOCATED AT MONITORING SITES CONNECTED
	TO THE CELL CONTROLLER. THE SIGNAL INCLUDES THE
	TAG ID NO. OF THE INDIVIDUAL TO BE IDENTIFIED.
'	

FIG. 7 (CONT)





708

THE INDIVIDUAL WEARING THE TAG ID NO. OF THE RADIO SIGNAL RECEIVES THE SIGNAL AND THE TAG RESPONDS BY TRANSMITTING A RETURN SIGNAL CONTAINING THE TAG ID NO.



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THE MONITORING SITES RECEIVE THE SIGNAL FROM THE TAG ID AND THEN SEND IT TO THE CELL CONTROLLER.



710 -

CELL CONTROLLERS CALCULATE TAG TO ANTENNA DISTANCE BASED ON THE TIME BETWEEN SENDING THE SIGNAL FROM THE MONITORING SITES AND RECEIVING THE RETURN SIGNAL FROM THE TAG ID AT THE MONITORING SITES.



711 -

CELL CONTROLLERS SEND TAG TO ANTENNA DISTANCE INFORMATION TO THE HOST COMPUTER WHICH USES THIS TO COMPUTE THE LOCATION OF THE INDIVIDUAL IN THE ENVIRONMENT.



712 _

HOST COMPUTER SENDS THE LOCATION INFORMATION TO THE REQUESTING ID STATION CPU FOR EACH INDIVIDUAL OF THE GROUP, THE IDENTITY OF WHICH IS DISPLAYED AS AN ICON WITH A PICTURE ON THE MAP AT THE ID STATION.



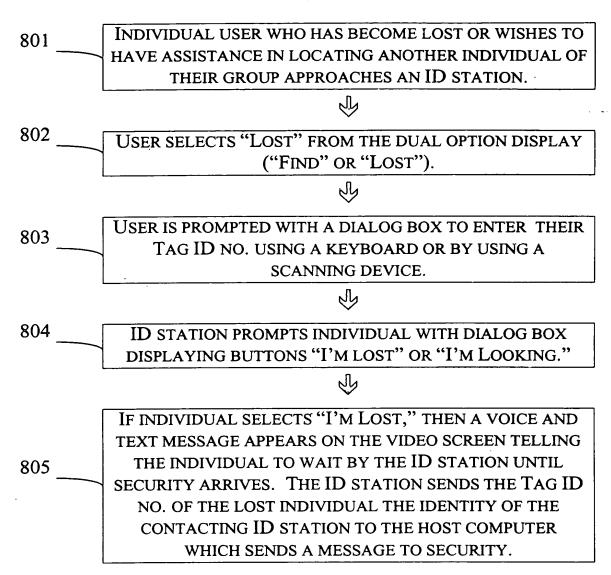


FIG. 8 (CONT)



IF THE USER SELECTS "I'M LOOKING," THEN THE HOST
COMPUTER USES THE SYSTEM TO DETERMINE THE
IDENTITY OF ALL MEMBERS OF THE GROUP AND SENDS A
MAP FOR DISPLAY AT THE ID STATION.

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THE USER THEN SELECTS THE INDIVIDUAL THEY WISH TO MEET BY CLICKING OR TOUCHING THE ICON OF THE INDIVIDUAL ON THE MAP.

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THE ID STATION RESPONDS WITH A VOICE AND TEXT MESSAGE INSTRUCTING THE USER THAT A SECURITY GUARD IS BEING DISPATCHED TO THE LOST PARTY AND THAT THE USER SHOULD WAIT AT THE ID STATION.

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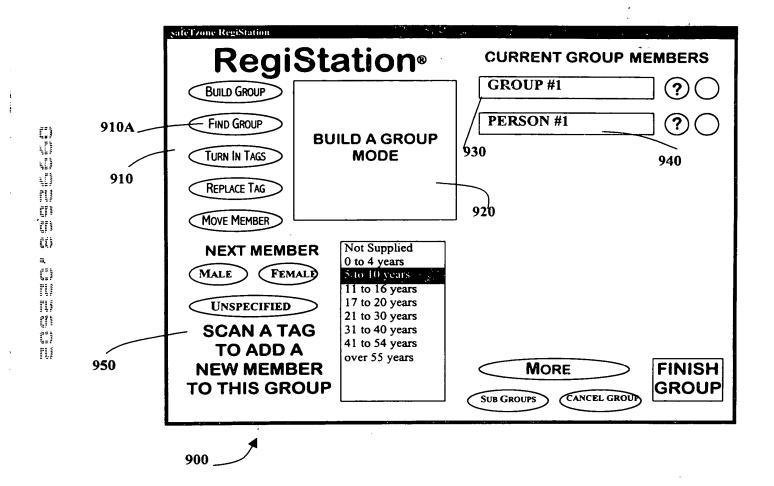




FIG. 9B

TO ENTER INTO 'BUILD A GROUP MODE' THE OPERATOR PRESSES THE 'BUILD GROUP' BUTTON. 970 A 'GROUP' OF USERS SEEKING TO USE THE LOCATOR SYSTEM, APPROACHES THE KIOSK IN THE PARK DESIGNATED FOR REGISTERING GROUPS. 972 THE LEADER OF THE GROUP REQUESTS A TAG FOR EACH MEMBER OF THE GROUP FROM THE PARK EMPLOYEE OPERATING THE REGISTATION SYSTEM. THE PARK EMPLOYEE OPERATING THE REGISTATION SYSTEM SCANS A TAG FOR EACH MEMBER OF THE GROUP. EACH TAG SCANNED IS ADDED TO THE GROUP CURRENTLY BEING BUILT. 976 WHEN THE OPERATOR PUSHES THE 'FINISH GROUP' BUTTON, THESE NEW TAGS' SERIAL NUMBERS ARE SENT TO THE SYSTEM DATABASE SERVER WHERE A NEW GROUP IS CREATED AND 978 ACTIVATED. THE OPERATOR GIVES THE NEW GROUP OF TAGS TO THE GROUP OF USERS. ONE TAG IS PLACED ON EACH MEMBER OF THE GROUP THAT WANTS TO BE TRACKED. 980 AS GROUP MEMBERS TRAVEL THROUGH THE PARK AND USE THE LOCATOR SYSTEM, THE

LOCATION OF THE TAGS IN THEIR GROUP WILL BE AVAILABLE TO THEM.

FIG. 10A

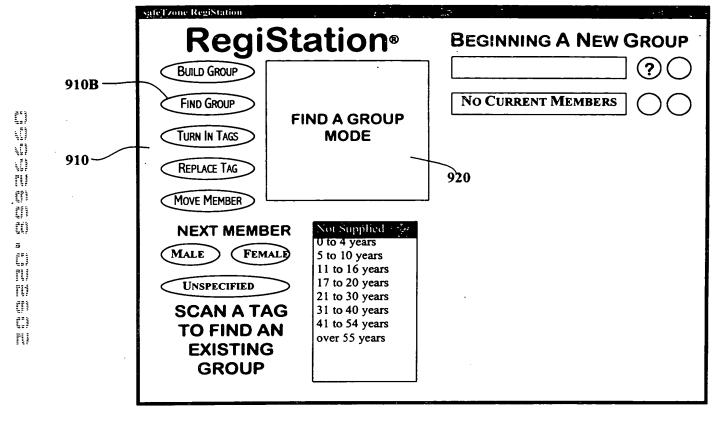






FIG. 10B

1010	TO ENTER INTO 'FIND A GROUP MODE' THE OPERATOR PRESSES THE 'FIND GROUP' BUTTON.
	<u>^</u>
1020	A USER SEEKING TO BRING HIS GROUP UP ON THE SAFETZONE® REGISTATION® SYSTEM, APPROACHES THE KIOSK IN THE PARK DESIGNATED FOR REGISTERING SAFETZONE® GROUPS.
1030	THE MEMBER OF A GROUP REQUESTS THE PARK EMPLOYEE OPERATING THE REGISTATION® SYSTEM TO BRING UP HIS/HER GROUP.
	T.
1040	THE PARK EMPLOYEE OPERATING THE REGISTATION® SYSTEM SCANS A SAFETZONE® TAG FOR THIS MEMBER OF THE GROUP.
'	T
1050	THE SYSTEM RETRIEVES THE GROUP DATA FROM ITS DATABASE. THE REQUESTING MEMBER'S ENTIRE GROUP WILL BE DISPLAYED ON THE OPERATOR'S SCREEN.
1060	THE OPERATOR CAN NOW MODIFY THE GROUP, CHANGE THE MEMBERS OF THE GROUP, OR ADD NEW MEMBERS TO THIS CURRENT GROUP.
	T)
1070	WHEN THE OPERATOR PUSHES THE 'FINISH GROUP' BUTTON, THE UPDATED GROUP INFORMATION, AND TAG IDS ARE SENT TO THE SYSTEM DATABASE SERVER WHERE THE NEW GROUP DATA IS SAVED.





FIG. 11B

TO ENTER INTO 'TURN IN TAGS MODE' THE OPERATOR PRESSES THE 'TURN IN TAGS' BUTTON. 1110 A USER SEEKING TO DISCONTINUE HIS/HER USE OF THE SAFETZONE® SYSTEM, APPROACHES THE KIOSK IN THE PARK DESIGNATED FOR REGISTERING SAFETZONE® GROUPS. 1120 THE MEMBER OF A GROUP RETURNS HIS SAFETZONE® TAG THE PARK EMPLOYEE OPERATING THE 1130 REGISTATION® SYSTEM. Th THE PARK EMPLOYEE OPERATING THE REGISTATION® SYSTEM SCANS THE RETURNED SAFETZONE® TAG. 1140 THE TAG ID OF THE RETURNED TAG IS SENT TO THE SYSTEM DATABASE SERVER WHERE THE DATA IS SAVED AND THE TAG IS REMOVED FROM THE GROUP. 1150 THIS MEMBER'S TAG WILL NO LONGER BE DISPLAYED ON THE SCREEN WITH THE REST OF THE MEMBERS IN THIS GROUP. 1160 ALL TRACKING OF THIS TAG WILL BE DISCONTINUED AT THIS TIME. 1170

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FIG. 11A

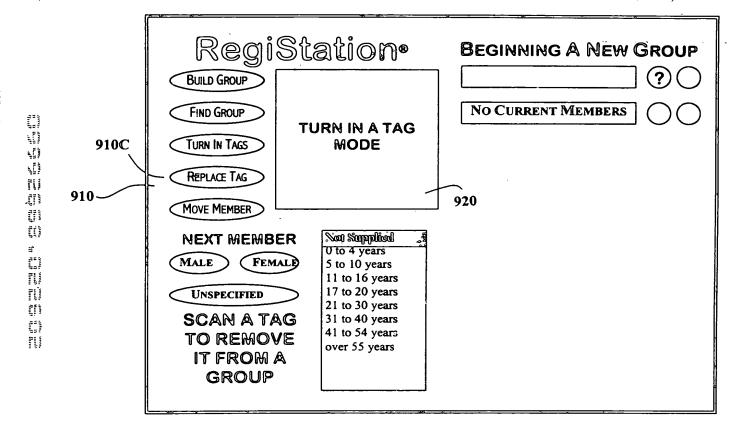
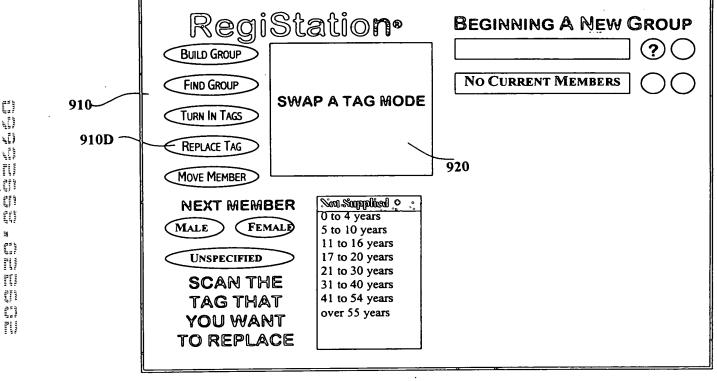


FIG 12A



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10° 11°'4 10° 11° 14 10° 10° 14 ### ### ### 11.11 11 7[]



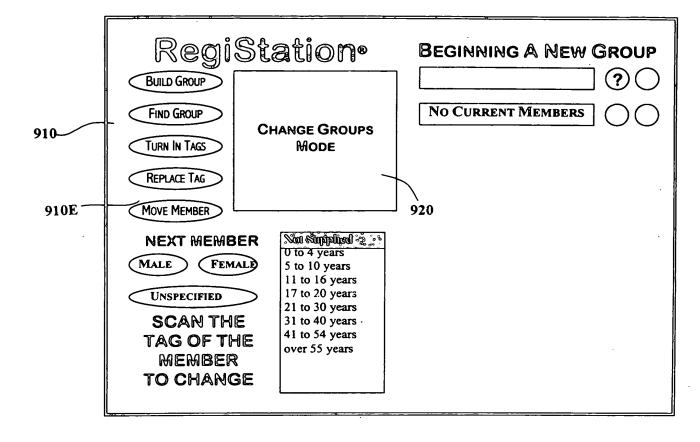
FIG. 12B

1210	TO ENTER INTO 'SWAP A TAG MODE' THE OPERATOR PRESSES THE 'REPLACE A TAG' BUTTON.
1220	This mode is for a user seeking to continue his/her use of the safeTzone® system, but his/her tag for some reason is unacceptable (ie. Bad battery, too dirty, bad color, etc) This member approaches the kiosk in the park designated for registering safeTzone® groups.
1230	This member of a group returns his/her safeTzone® tag the park employee operating the Registation® system.
	Ţ.
1240	THE PARK EMPLOYEE OPERATING THE REGISTATION® SYSTEM SCANS THE RETURNED SAFETZONE® TAG.
	<u>T</u>
1250	The park employee operating the Registation® system scans a new safeTzone® tag, then gives this replacement tag to the member.
	<u> </u>
1260	THIS MEMBER'S NEW TAG WILL BE DISPLAYED ON THE SCREEN WITH THE REST OF THE MEMBERS IN THIS GROUP.
	ALL TRACKING OF THE OLD TAG WILL BE DISCONTINUED AT THIS TIME.
1270	

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FIG. 13A



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FIG. 13B

